

PANEL CP-41N 240/120 V, 1Ø 3WIRE 100 AMP MAINS, 100A MCB, GND BUS MINIMUM INTERRUPTING RATING 22KA									
SERVICE	TRIP	CKT	100	100	100	100	100	100	100
DP-5 LINE UP 1, 3, CR-H1 & L-3	15	1							
FUTURE (SUPERV. COMPUT. OUTLET)	15	3							
SPARE	15	5							
N1, T1-3, BUS 1	60	7							
SWITCHGEAR SECTIONS									
N3, T3-4, BUS 3	60	9							
SWITCHGEAR SECTIONS									
G & T HOUSING	30	11							
HV-B1	30	13							
SWITCHGEAR SECTION									
HV-B3	30	15							
SWITCHGEAR SECTION									
SPARE	60	17							
SPARE	30	19							
SPARE	30	21							
SPARE	30	23							

PANEL LV-41N 208/120 V, 3Ø 4WIRE 225 AMP MAINS, 125A MCB, GND BUS									
KVA	SERVICE	TRIP	CKT	225	225	225	225	225	KVA
.8	SUB#41N-RECEPTS	15	1						.8
.8	SS-41N SECT 1 SP HTRS	20	3						.8
1.0	SS-41N SECT 2 SP HTRS	20	5						1.2
.8	SS-41N SECT 3 SP HTRS	20	7						.8
.8	SS-41N SECT 4 SP HTRS	20	9						.8
	SPARE	15	11						
	SPARE	15	13						
	SPARE	15	15						
	SPARE	20	17						
	SPARE	20	19						
	SPACE								

PANEL DP-41N 480/277 V, 3Ø 4WIRE 800AMP MAINS, GND BUS 65,000 A.I.C									
KVA	SERVICE	TRIP	CKT	800	800	800	800	800	KVA
1.80	SUBSTA SS-41N LTG	20	1						
1.80	SUBSTA SS-41S LTG	20	3						
	SPARE	20	5						
	SPARE	70	7						
30	SUBSTATION SS-41N 30KVA TRANSFORMER PRIMARY FEEDER	45	9						
6.3	E-41-20 FEEDER	20	11						11.6
	SPARE	30	13						
	SPACE								

SUBSTATION SS-41N

PANEL CP-41S 240/120 V, 1Ø 3WIRE 100 AMP MAINS, 100A MCB, GND BUS MINIMUM INTERRUPTING RATING 22KA									
SERVICE	TRIP	CKT	100	100	100	100	100	100	100
DP-5 LINE UP 1, 3, CR-H1 & L-3	15	1							
FUTURE (SUPERV. COMPUT. OUTLET)	15	3							
SPARE	15	5							
N1, T1-3, BUS 1	60	7							
SWITCHGEAR SECTIONS									
N3, T3-4, BUS 3	60	9							
SWITCHGEAR SECTIONS									
G & T HOUSING	30	11							
HV-B1	30	13							
SWITCHGEAR SECTION									
HV-B3	30	15							
SWITCHGEAR SECTION									
SPARE	60	17							
SPARE	30	19							
SPARE	30	21							
SPARE	30	23							

PANEL LV-41S 208/120 V, 3Ø 4WIRE 225 AMP MAINS, 125A MCB, GND BUS									
KVA	SERVICE	TRIP	CKT	225	225	225	225	225	KVA
.8	SUB#41S-RECEPTS	15	1						.8
.8	SS-41S SECT 1 SP HTRS	20	3						.8
1.0	SS-41S SECT 2 SP HTRS	20	5						1.2
.8	SS-41S SECT 3 SP HTRS	20	7						.8
.8	SS-41S SECT 4 SP HTRS	20	9						.8
	SPARE	15	11						
	SPARE	15	13						
	SPARE	15	15						
	SPARE	20	17						
	SPARE	20	19						
	SPACE								

PANEL DP-41S 480/277 V, 3Ø 4WIRE 800AMP MAINS, GND BUS 65,000 A.I.C									
KVA	SERVICE	TRIP	CKT	800	800	800	800	800	KVA
1.80	SUBSTA SS-41S LTG	20	1						
1.80	SUBSTA SS-41N LTG	20	3						
	SPARE	20	5						
	SPARE	70	7						
30	SUBSTATION SS-41S 30KVA TRANSFORMER PRIMARY FEEDER	45	9						
6.3	E-41-21 FEEDER	20	11						11.6
	SPARE	30	13						
	SPACE								

SUBSTATION SS-41S

# NOTE

- FOR LEGEND SEE DRAWING #E-1.
- FOR GENERAL NOTES, ABBREVIATIONS AND LIGHTING FIXTURE SCHEDULE SEE DRAWING #E-2.

PANEL E-41A 208/120 V, 3Ø, 4WIRE 400A MAINS, GND BUS									
KVA	SERVICE	TRIP	CKT	400	400	400	400	400	KVA
	SPARE	20	1						
	CONTROL POWER-UPS, SUBSTATION SS-41S	110	3						
	PANEL AT SETBACK DOOR - SE CORNER	200	5						
	CONTROL POWER-UPS-SS-41N&S (TR/UPS-41A)	100	7						
	SPACE								

41st FL. EMERG. TRANSF. RM.

I HEREBY CERTIFY THAT THIS IS A TRUE AND CORRECT COPY OF ONE OF THE CONTRACT DRAWINGS CONSTITUTING A PART OF CONTRACT NO. **WTC-802.071** IN THE FORM IN WHICH SAID DRAWINGS EXISTED AT THE TIME THE SAID CONTRACT WAS EXECUTED BY THE PARTIES.

DATE **6/21/95** **Sanjiv A. Aslam**  
**9/15/95** **Peter K. Sweeney**  
 SPEC. WRITER  
 ENGINEER OF DESIGN



THE PORT AUTHORITY  
OF NY & NJ

*Peter K. Sweeney*  
 ENGINEERING PROGRAM MANAGER  
 WORLD TRADE CENTER  
*Peter K. Sweeney*  
 CHIEF ELECTRICAL ENGINEER

Engineering Department  
Design Division

The World Trade  
Center  
Electrical/HVAC  
Upgrade Program

Title  
TOWER ONE AND TWO  
LOW VOLTAGE  
SUBSTATIONS  
CONSTRUCTION AND  
INSTALLATION  
ELECTRICAL  
PANEL SCHEDULES  
TOWER ONE  
SS-41N & SS-41S

No. Date Revision Approved

This drawing subject to conditions in contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

ROYZMAN  
FISCHER  
Designed by  
ROYZMAN  
Drawn by  
A.S.  
Checked by

Date 5-1-95 Scale NONE

Contract Number Drawing Number

WTC 802.071 E-100